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(54) **Blood-pressure measurement apparatus capable of heart function assessment**

(57) An apparatus (10) for blood pressure measurement capable of heart function assessment for readily putting on a living subject, comprising an inflatable cuff including a pressure-pulse-wave sensor (28), which is combined with the cuff at an upper-stream side end of the cuff, when wrapped around an upper-arm portion (14), so as to detect, at the upper-stream side than a blood-flow stopped position, the pressure-pulse-wave, which is of the same waveform as an aorta waveform, while blood-flow is stopped, and an ejection time calculating means (a heart function parameter calculating

means) (100), by which an ejection time ET can be calculated as a time difference from a rising-point to a diastolic notch of the pressure-pulse waveform for heart function assessment. Since a blood pressure BP also can be measured with the cuff (12), all the putting on the living subject, that is needed to measure the blood pressure and heart-function is to put on the cuff (12), which is combined with the pressure-pulse wave sensor (28), and to wrap the cuff around the upper-arm portion (14), therefore, putting-on becomes more simple and easier for measuring a heart function parameter and a blood pressure.

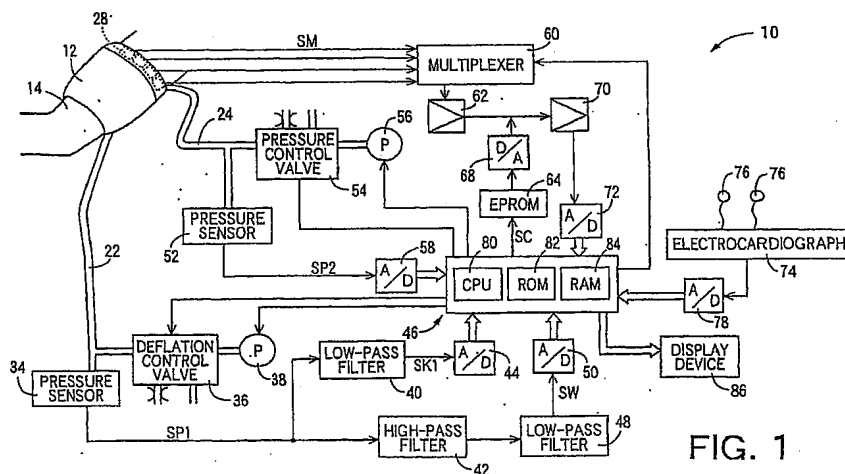


FIG. 1



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# EUROPEAN SEARCH REPORT

Application Number  
EP 02 01 2513

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 November 2003	Examiner Knüpling, M
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ..... &: member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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